

ABSTRACT

A CDMA PCS telecommunications cell (40) of increased capacity includes a plurality of sectors (42, 44, 46) controlled by a base station (14) using a defined set of 5 CDMA codes for each sector. Capacity is increased by configuring the base station to operate at two different, non-interfering frequencies within each sector of the cell. One frequency may be used either for normal traffic or for handing off calls to or from adjacent cells. One frequency is preferably used to operate a pilot beacon for transferring calls between adjacent cells in a soft manner.